

# Danio rerio (zebrafish) BMP-2 (zebrafish) recombinant protein



Catalog Number: 501221

## General Information

### Gene Name Synonym

Uncharacterized protein

### Protein Construction

A DNA sequence encoding the zebrafish BMP2A (B3DI86) (Gln272-Arg386) was expressed and purified with an initial Met.

### Organism

Danio rerio (zebrafish)

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to induce alkaline phosphatase production by ATDC5 mouse chondrogenic cells.  
The ED<sub>50</sub> for this effect is typically 0.5-3 µg/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

## Molecular Mass

The recombinant zebrafish BMP2A consists of 116 amino acids and has a calculated molecular mass of 13.2 kDa. It migrates as an 13 KDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 30mM HAC, pH 3.0.  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

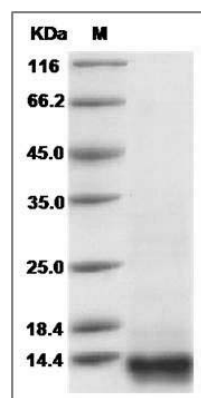
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Danio rerio (zebrafish) BMP-2 / BMP2A Protein  
SDS-PAGE